

Title (en)

RIG-I AGONIST AND ADJUVANT FORMULATION FOR TUMOR TREATMENT

Title (de)

RIG-I-AGONIST UND ADJUVANS-FORMULIERUNG ZUR TUMORBEHANDLUNG

Title (fr)

AGONISTE DE RIG-I ET FORMULATION D'ADJUVANT POUR LE TRAITEMENT DE TUMEURS

Publication

**EP 4058581 A1 20220921 (EN)**

Application

**EP 20830020 A 20201113**

Priority

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- US 2020060583 W 20201113

Abstract (en)

[origin: WO2021097347A1] Cancer immunotherapies effective for treating tumors are disclosed. A cytosolic receptor that detects viral ribonucleic acid (RNA), retinoic-acid-inducible protein 1 (RIG-I), is activated by a synthetic double-stranded oligonucleotide pUUC Auk. In one implementation, RIG-I is activated by a single-stranded oligonucleotide agonist formulated with a squalene emulsion (SE) adjuvant. Activation of RIG-I with pUUC Auk results in slower tumor growth. Formulation with a SE adjuvant increases the ability of RIG-I agonists to slow tumor growth. The novel agonist and formulations provided herein are effective for slowing the growth of new tumors and reducing further growth of established tumors. RIG-I agonist/adjuvant formulations may be administered to a subject by any of multiple routes including intratumoral injection.

IPC 8 full level

**C12N 15/117** (2010.01); **A61K 9/107** (2006.01); **A61K 31/713** (2006.01); **A61P 35/00** (2006.01)

CPC (source: EP US)

**A61K 9/1075** (2013.01 - US); **A61P 35/00** (2017.12 - US); **C12N 15/117** (2013.01 - EP US); **A61K 9/1075** (2013.01 - EP); **C12N 2310/17** (2013.01 - EP US); **C12N 2310/531** (2013.01 - EP US)

Citation (search report)

See references of WO 2021097347A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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